

90. (NEW) A light emitting device, comprising:

a containment sleeve forming a housing for a light emitting element, the containment sleeve having a length greater than a width and having an opening extending axially through the containment sleeve;

a light conducting element extending axially into the containment sleeve opening, an inner end of the light conducting element and an inner circumferential surface of the containment sleeve forming a recess for receiving the light emitting element and the inner end of the light conducting element forming a light receiving boundary surface whereby light generated by the light emitting element enters the light conducting element for passage along the light conducting element; wherein

the inner circumferential surface of the containment sleeve and an outer circumferential surface of the light conducting element have essentially identical traverse section shapes and dimensions in at least a region adjacent the light emitting element and the light emitting element is located directly adjacent to and spaced apart from the light receiving boundary surface of the light conducting element and conforms within the traverse section shape and dimensions of the inner circumferential surface of the containment sleeve and the outer circumferential surface of the light conducting element; and

the axial length of the light conducting element is at least 50% of the overall axial length of the containment sleeve and light conducting element; wherein

the light emitting element, the light conducting element and the containment sleeve in at least a region adjacent the light emitting element together form a unitary optically integrated unit.

91. (NEW) The light emitting device according to claim 90, wherein the light emitting element is located within the containment sleeve closer to the light receiving boundary surface of the light conducting element than to a part of the containment sleeve remote from the light receiving boundary surface.

92. (NEW) The light emitting device according to claim 90, further incorporating a reflector located relative to the light emitting element and the light conducting element so as to reflect light from the light emitting element axially into the light conducting element by way of the light receiving boundary surface.

93. (NEW) The light emitting device according to claim 90, further incorporating a refractor located relative to the light emitting element and the light conducting element

so as to refract light from the light emitting element axially into the light conducting element by way of the light receiving boundary surface.

94. (NEW) The light emitting device according to claim 90, wherein the containment sleeve and the light receiving boundary surface form a plenum about the light emitting element whereby a vacuum or an inert gas or a mixture of gases may be maintained in the plenum and about the light emitting element.

95. (NEW) The light emitting device according to claim 90, further including a plurality of light emitting elements having different color light emissions for varying the color of light emitted by the device.

96. (NEW) The light emitting device according to claim 90, wherein the light emitting element comprises one or more of the following:

- a resistive filament;
- an arc;
- a discharge device;
- a solid state emitter (PN junction); and
- a coherent light source with means for light stimulation and amplification.

97. (NEW) The light emitting device according to claim 90, where the light conducting element is of fused quartz or other glass like material.

98. (NEW) The light emitting device according to claim 90, wherein the containment sleeve is of fused quartz or other glass like material.

99. (NEW) A method of fabricating a light emitting device including a containment sleeve forming a housing for a light emitting element, the containment sleeve having a length greater than a width and having an opening extending axially through the containment sleeve, a light conducting element extending axially into the containment sleeve opening, an inner end of the light conducting element and an inner circumferential surface of the containment sleeve forming a recess for receiving the light emitting element and the inner end of the light conducting element forming a light receiving boundary surface whereby light generated by the light emitting element enters the light conducting element for passage along the light conducting element, wherein the inner circumferential surface of the containment sleeve and an outer circumferential surface of the light conducting element have essentially identical traverse section shapes and dimensions in at least a region adjacent the light emitting element and the light emitting element is located directly adjacent to and spaced apart from the light

receiving boundary surface of the light conducting element and conforms within the traverse section shape and dimensions of the inner circumferential surface of the containment sleeve and the outer circumferential surface of the light conducting element and the axial length of the light conducting element is at least 50% of the overall axial length of the containment sleeve and light conducting element, and wherein the light emitting element, the light conducting element and the containment sleeve in at least a region adjacent the light emitting element together form a unitary optically integrated unit, wherein the steps comprise:

- providing the light conducting element in the form of a longitudinal member with end faces and an outer surface apart from the end faces;

- inserting light conducting element into a containment sleeve of greater length than the light conducting element with a first end of the light conducting element at or near one end of the containment sleeve so as to leave a length of sleeve projecting beyond the opposite end of the light conducting element and so that the opposite end of the conducting element forms the light receiving boundary surface;

- forming, at least in part, a light input region by causing an inner surface of the containment sleeve to be contiguously juxtaposed with the outer surface of the light conducting element;

- locating the light emitting element in the length of containment sleeve projecting beyond the opposite end of the light conducting element;

- deforming the containment sleeve so as to form together with the light input region of the light conducting element a containment for the light emitting element; and

- sealing the deformed length of containment sleeve to cause the containment to form a gas tight enclosure for the light emitting element.

100. (NEW) A method of fabricating a light outputting device according to claim 99, wherein the containment sleeve is of a similar material to the light conducting member and the step of causing the inner surface of the containment sleeve to be contiguously juxtaposed with the outer surface of the light conducting element includes a fusing operation.